

**CLAIMS**

1 A beverage brewer comprising:

- a liquid source;
- a piercing member for piercing and opening said liquid source;
- heating means for heating the liquid;
- passage means for delivering heated fluid from the heating means;
- an expansion volume communicating with said passage means;
- means for delivering said fluid from said expansion volume to a brew chamber; and
- means for delivering a brewed liquid from said brew chamber.

2. A beverage brewer comprising:

- a valve means for piercing a volume of liquid;
- a heating source communicating with a delivered liquid downstream of said valve means and delivering heated liquid to an expansion chamber; and
- a brew chamber downstream of said expansion chamber for receiving heated liquid there from, said brew chamber having outlet means for delivering a brewed substance

3. A beverage brewer comprising:

a housing having a cavity formed therein and having a bottom, a piercing valve member disposed in said bottom of said cavity, a heating chamber in said housing adjacent said piercing valve member, a first inlet tube having a first end communicating with said heating chamber and a second end communicating with an expansion chamber, and the expansion chamber having a second end, and a second outlet tube having a first end and a second end; and

a cartridge removably positioned in said cavity with water chamber and brew chamber, containing brew ingredients, extending sufficiently into said cavity to engage said piercing valve member, and said brew chamber engaging the cavity bottom to close said cavity, said second end of said expansion chamber, a first opening sealingly engaging said second end of said expansion chamber, a first passage means communicating between said first opening and said brew chamber to deliver heated liquid to said brew chamber, a second opening sealingly engaging said first end of said second outlet, and a second passage means communicating between said brew chamber and said second outlet to deliver a brewed substance from said brew chamber to said second outlet.

4. The beverage brewer defined in Claim 3 further comprising: said expansion chamber having means to accommodate excessive fluid pressure.

5. The beverage brewer defined in Claim 1 further comprising:  
a two chamber disposable cartridge including said liquid source with brew bin immediately adjacent the an outlet of a liquid container of said disposable cartridge.